Attorney Docket no. 3887-0141P

PLEASE NOTE YOU MUST COMPLETE THE FOLLOWING

## BIRCH, STEWART, KOLASCH & BIRCH, LLP

P.O.BOX 747 Falls Church, Virginia 22040-0747 Telephone: (703) 205-8000 Facsimile: (703) 205-8050

COMBINED DECLARATION AND POWER OF ATTORNEY
FOR PATENT AND DESIGN APPLICATIONS

As a below named inventor, I hereby declare that: my residence, post office address and citizenship are as stated next to my name; that I verily believe that I am the original, first and sole inventor (if only one inventor is named below) or an original, first and joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Insert Title:	inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:  COMPARISON APPARATUS OPERATED AT A LOW VOLTAGE						
insert Title:	COMPARISON APPARA	TUS OPERATED AT A L	OW VOLTAGE:				
Fill in Appropriate Information- For Use Without Specification Attached:	The specification of which is attached hereto. If not attached hereto,						
	the specification was filed on July 14, 2003 as						
	United States Application Number 10/617832 ;						
	and amended on	1		(if applicable) and/or			
	International Application	Number	<del></del>	as PCT; and was			
	amended under PCT Artic	de 19 on		(if applicable)			
	I hereby state that I have reviewed and understand the contents of the above-identified specification, including the clams, as amended by any amendment referred to above.  I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.  I do not know and do not believe the same was ever known or used in the United States of America before my or our invention thereof, or patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to his application, that the same was not in public use or on sale in the United States of America more than one year prior to this application, that the invention, has not been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United						
	States of America on an application filed by me or my legal representative or assigns more than twelve months (six months for designs) prior to this application, and that no application for patent or inventor's certificate on this invention has been filed in any country foreign to the United States of America prior to this application by me or my legal representatives or assigns, except as follows.  I hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(b) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:						
Insert Priority	Prior Foreign Application(s)		•	Priority Claimed			
Information: (if Appropriate)	2002-67125	Republic of Korea	10/31/2002				
(II Appropriate)	(Number)	(Country)	(Month/Day/Year Filed)	Yes No			
	(Number)	(Country)	(Month/Day/Year Filed)	Yes No			
	(Number)	(Country)	(Month/Day/Year Filed)	☐ ☐ Yes No			
	(Tumbor)	(2041.13)	(1.20.11.2.2), 1011.1100)	7.00			
	I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional applications(s) listed below.						
Insert Provisional							
Application(s): (if any)	(Application Number)		(Filing Date)				
	(Application Number)		(Filing Date)				
	All Foreign Applications, if any, for any Patent or Inventor's Certificate Filed More than 12 Months (6 Months for Designs) Prior to the Filing Date of This Application:						
	Country Application Number		Date of Filing(Month/Day/Year)				
·	the subject matter of each of the provided by the first paragraph patentability as defined in Title	ne claims of this application is not of Title 35. United States Code.	disclosed in the prior United States a	dication(s) listed below and, insofar as and/or PCT application in the manner in information which is material to the the filing date of the prior application			
Insert Requested Information:	(Application Number) (Filing Date)			(Status-patented, pending, abandoned)			
(if appropriate)	(Application Number)	(Filing Date)	(Status-pate	nted, pending, abandoned)			

I hereby appoint the practitioners at CUSTOMER NO. 2292 as my attorneys or agents to prosecute this application and/or an international application based on this application based on this application and to transact all business in the United States Patent and Trademark Office connected therewith and in connection with the resulting patent based on instructions from the entity who first sent the application papers to the practitioners, unless the inventor(s) or assignee provides said practitioners with a written notice to the contrary:

Send Correspondence to:

## BIRCH, STEWART, KOLASCH & BIRCH, LLP or CUSTOMER NO. 2292

PLEASE NOTE YOU MUST COMPLETE THE FOLLOWING:

3.

P.O.BOX 747 ·Falls Church, Virginia 22040-0747 Telephone: (703) 205-8000 · Facsimile: (703) 205-8050

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of First			<del></del>				
Full Name of First Or Sole Inventor: nsert Name of	GIVEN NAME/FAMILY NAME	INVENTOR'S SIGNATURE	D	ATE*			
nventor nsert Date This Document is Signed	CHOI, SOO-CHANG	Chai Suo chang	N	March 5, 2003			
nsert Residence nsert Citizenship	Residence (City, State & Country)	CITIZENSHIP					
	Ichon-shi, Kyoungki-do, Korea	Republic of Korea					
nsert Post Office Address	MAILING ADDRESS (Complete Street Address including City, State & Country) San 136-1, Ami-ri, Bubal-eub, Ichon-shi, Kyoungki-do 467-860, Republic of Korea						
Full Name of Second nventor, if any: See above	GIVEN NAME/FAMILY NAME	INVENTIOR'S SIGNATURE	D	ATE*			
	Residence (City, State & Country)	CITIZENSHIP					
		Republic of Korea					
	MAILING ADDRESS (Complete Street Address including City, State & Country)						
Full Name of Third nventor, if any: See above	GIVEN NAME/FAMILY NAME	INVENTIOR'S SIGNATURE	D	ATE*			
	Residence (City, State & Country)	CITIZENSHIP					
		Republic of Korea					
	MAILING ADDRESS (Complete Street Address including City, State & Country)						
rull Name of Fourth nventor, if any: See above	GIVEN NAME/FAMILY NAME	INVENTIOR'S SIGNATURE	D	ATE*			
	Residence (City, State & Country)	CITIZENSHIP					
		Republic of Korea					
	MAILING ADDRESS (Complete Street Address including City, State & Country)						
	CIVITAL NAME TO A STATE OF		<del></del>				
full Name of Fifth nventor, if any: See above	GIVEN NAME/FAMILY NAME	INVENTIOR'S SIGNATURE	D.	ATE*			
	Residence (City, State & Country)	CITIZENSHIP					
		Republic of Korea					
	MAILING ADDRESS (Complete Street Address including City, State & Country)						
	GIVEN NAME/FAMILY NAME	INVENTIOR'S SIGNATURE		A TE#			
full Name of Sixth nventor, if any: See above	OT VERY PROBLEM PROBLING PROBLEM PROBLEM PROBLEM PROBLEM PROBLEM PROBLEM PROBLEM PROBL	INVENTIOR 3 SIGNATURE		ATE*			
	Residence (City, State & Country)	CITIZENSHIP					
		Republic of Korea					
	MAILING ADDRESS (Complete Street Address including City, State & Country)						